**Dry Lab Data**

Cell Division Lab, AP Biology, Ms. Ottolini

**Data Table A – Onion Root Length**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Solution** | **Root 1 length (in mm)** | **Root 2 length (in mm)** | **Root 3 length (in mm)** | **Root 4 length**  **(in mm)** | **Root 5 length (in mm)** | **Your Average root length (in mm)** | **Class Average Root Length (in mm)** |
| Distilled Water | **Cross this Out!** | | | | | | **15** |
| 1 mM Caffeine | **12** |
| 5 mM Caffeine | **8** |
| 10 mM Caffeine | **3** |

**Data Table B – Number of Cells in Each Stage of the Cell Cycle**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Solution** | **# of Your Cells in Interphase** | **# of Class Cells in Interphase** | **# of Your Cells in Mitosis** | **# of Class Cells in Mitosis** | **Class Total Cells** |
| Distilled Water | **Cross this Out!** | **148** | **Cross this Out!** | **25** | **173** |
| 1 mM Caffeine | **150** | **10** | **160** |
| 5 mM Caffeine | **167** | **7** | **174** |
| 10 mM Caffeine | **185** | **3** | **188** |